

one takes its place. It may easily be seen at the extremity of the abdomen by raising the dorsal plate which terminates it, and this reproduction may be observed repeatedly upon the same male.

The spermatophore is produced by an appendage of the genital segment,—the ventral plate of this segment being flattened posteriorly and converted into a twisted glandular plate. When the spermatophore is formed, the vesicle is expelled from the secreting apparatus, and takes its place between two fleshy palettes, by which it is supported at the moment of copulation. It remains in this position for a longer or shorter time, but if the male is prevented from copulating he will after a time allow it to drop.—*Comptes Rendus*, 2nd July 1855, p. 28.

METEOROLOGICAL OBSERVATIONS FOR JUNE 1855.

Chiswick.—June 1. Overcast. 2. Cloudy and fine: very clear. 3. Fine: cloudy: overcast. 4. Heavy clouds: very fine. 5. Cloudy: fine. 6. Hot and dry: rain. 7. Very fine. 8. Cloudy: very fine. 9. Showery. 10, 11. Very fine. 12. Very fine: clear at night. 13. Slight haze. 14. Overcast: rain. 15. Cloudy: fine: rain. 16. Fine: showery: overcast: heavy rain. 17. Cloudy: slight showers. 18. Clear: cloudy: rain. 19. Overcast and fine. 20. Light clouds: fine: clear: *frosty at night*. 21. Clear and fine. 22. Fine: very dry air. 23. Overcast. 24. Very fine. 25. Cloudy and fine. 26. Overcast: very fine. 27. Dry haze: very fine. 28—30. Very fine.

Mean temperature of the month	57°·98
Mean temperature of June 1854	56·93
Mean temperature of June for the last twenty-nine years...	60·39
Average amount of rain in June	1·89 inch.

Boston.—June 1. Cloudy: rain A.M. 2. Cloudy. 3, 4. Fine. 5. Cloudy. 6. Fine. 7. Cloudy: rain A.M. 8. Cloudy. 9. Fine: rain P.M. 10. Fine: rain with thunder P.M. 11. Fine. 12, 13. Cloudy. 14. Rain A.M. and P.M. 15. Cloudy: rain A.M. and P.M. 16. Fine. 17, 18. Cloudy: rain P.M. 19, 20. Cloudy. 21, 22. Fine. 23—27. Cloudy. 28—30. Fine.

Sandwick Manse, Orkney.—June 1. Bright A.M.: rain P.M. 2. Damp A.M.: foggy P.M. 3. Hazy A.M.: cloudy P.M. 4. Hazy A.M.: clear P.M. 5. Bright A.M.: clear P.M. 6. Rain, thunder A.M.: drops P.M. 7. Foggy A.M.: cloudy P.M. 8. Bright, fine A.M.: foggy P.M. 9. Showers A.M.: showers, foggy P.M. 10. Cloudy A.M.: clear P.M. 11. Bright A.M.: cloudy P.M. 12. Rain A.M. and P.M. 13. Foggy A.M. and P.M. 14. Clear A.M. and P.M. 15. Cloudy A.M.: clear P.M. 16. Showers A.M.: drops P.M. 17. Drizzle, showers A.M. and P.M. 18. Bright A.M.: drizzle, showers P.M. 19. Clear A.M. and P.M. 20. Cloudy A.M.: small rain P.M. 21. Foggy A.M. and P.M. 22. Foggy A.M.: bright P.M. 23. Bright A.M. and P.M. 24. Bright A.M.: bright, rain P.M. 25. Rain A.M. and P.M. 26. Drops A.M.: rain P.M. 27. Bright A.M.: clear P.M. 28. Clear, fine A.M.: bright, fine P.M. 29, 30. Bright, fine A.M. and P.M.

Mean temperature of June for twenty-eight previous years .	52°·78
Mean temperature of this month	52·23
Mean temperature of June 1854	52·86
Average quantity of rain in June for fifteen previous years .	2·21 inches.